BEHREND BEACON YEAR IN REVIEW

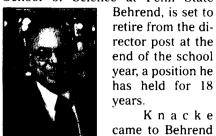
A look back at the stories that define the 2009-2010 academic year at Penn State Behrend

(ALL STORIES PRINTED WITH AUTHOR, THEIR STAFF TITLE AT THE TIME AT WHICH THE ARTICLE WAS PUBLISHED, AND DATE THE ARTICLE ORIGINALLY RAN IN THE BEHREND BEACON.)

School Director Knacke to retire

April 9, 2010

School of Science at Penn State Behrend, is set to retire from the di-



Penn State Behrend School of Science Director Roger Knacke.

Dr. Roger Knacke, the head of the rector post at the end of the school year, a position he

> Knacke came to Behrend after teaching at the State University of New York (SUNY) in Stony Brook where he also headed the depart-

> > chemistry writer

October 16, 2009

National Chemistry Week is upon us

again! This years' events and activities, scheduled from Oct 18-24, are

based upon the theme "Chemistry- It's Elemental." The activities will high-

light the elements as we use them in

our daily lives as well as celebrate the

140th anniversary of the creation of the periodic table of the elements by

The elements, as many have learned

in their general chemistry classes, not

only make up all of the chemical com-

ponents that we come in contact with

but make up ourselves. We also come

in contact with individual elements in

our daily lives. They can be seen

everywhere: from the graphite made

of carbon sheets that you use to take

all of your wonderful chemistry notes, to the millions of pennies made of

copper that you pay for your lovely

chemistry class each semester, to the

aluminum cans full of energy drink

events are sponsored by the American

These National Chemistry Week

that help you get through it all.

Dmitri Mendeleev.

RYAN GULA ment for six years.

Knacke is a graduate of The University of California Berkeley where he received a bachelor's and Ph.D. in physics.

He became interested in astrophysics when he was in graduate school and decided to teach and perform research in that field. In an interview, he joked, "I'll retire from administration, not teaching.'

After retirement he will be moving to California, where he hopes to return to the classroom as a professor, an aspect of education that he has missed.

Looking back at his experience at Behrend, he remembers working with outstanding students and faculty, and enjoyed following the paths that students chose once they left Behrend. Some went onto larger universities for

and designed by the Committee on

Community Activities. The program

chair for National Chemistry Week at

the national as well as local level is Tracy A. Halmi, a senior lecturer here

at Penn State Behrend. Halmi has

been the national program chair for a

total of three years, and the local chair

The committee not only organizes

the events but creates annual themes

for national chemistry week such as

the "Chemistry-It's Elemental" theme

this year and previous themes such as

"Having a Ball with Chemistry" and

The local chapter of the American

Chemical Society will be sponsoring

three events within our community.

These events are made possible by the

local section of ACS as well as volun-

teering students and faculty from not

only Penn State Behrend, but also Al-

legheny College, Edinboro University,

Gannon University, Mercyhurst Col-

lege, and University of Pittsburgh at

All of the activities will be "kid-

friendly" element based activities such

as showing that by touching a penny,

you are actually touching an element,

and there will be free museum admis-

sion during the event hours courtesy

of the John Nesbit Rees and Sarah

Henne Rees Charitable Foundation.

Available at each of the events is a free

MARIE EBNER Chemical Society and are organized

for a total of ten years.

'The Joys of Toys.'

graduate studies while others entered the industry to lead major companies.

During his tenure at Behrend, he was pleased to be a part of the administration that brought more research to the college, effectively creating what he considers to be "an ideal university," where there is an equal emphasis on both teaching and new knowledge.

He was careful not to take complete responsibility for accomplishing this, being quick to point out that there were many who helped achieve this goal and that there is still more to be

He hopes that this atmosphere of students "doing and learning" science will continue for many years to come.

He says that he will miss the people at Behrend the most when he leaves. He recalled some of his favorite mem-

ories each year, watching as new students arrived each fall after high school and how quickly the assumed the roles of young adults and became more competent individuals.

He will speak about 'Dark Energy in the Universe' on April 15 in one of the college's last Open House Nights in Astronomy this year.

Knacke started this Behrend tradition in the fall of 1993, a program that has allowed both students and community members to learn more about their surrounding world and given thousands their first glimpse of the sky through a telescope.

As Knacke and the school prepares for his departure, they continue their search for a new director of science. If a director is not found, an interim director will be named for next year, and another search will be performed.



Halloween **Chemistry**

MARIE EBNER

chemistry writer October 30, 2009

Cue the maniacal laughter and werewolf howling, Halloween is readily approaching, and it's time to bust a few ways chemistry can help make your Halloween the creepiest yet!

Now, everyone has heard of fog machines, but do you know how they work? Typically the kinds you can buy in a store contain a bottle filled with a mixture of glycerin or glycol and water which is then pumped through an exchanger heated up to 400°C. When this water mixture hits the exchanger it turns to steam, and then is forced out of the machine into a much cooler environment. This causes the steam to condense and you get a fog which rises

Another interesting eerie effect can only be seen with the help of a black light. Several chemical compounds glow when put under a black light, such as zinc sulfide and strontium aluminate, however those would be hard to get your hands on for a Halloween party. Some more common and less illegal household chemicals contain phosphorescents, which glow under a black light, such as bleach and tooth whitener. Both contain these phosphorescents to uphold their advertisement of trying to make things whiter than white. Craft stores also sell paints containing phosphorescents which will either glow in the dark or glow with the help of a black light.

Carving a pumpkin and then painting it with glow in the dark paint can be a creepy alternative to the traditional candle. Also, any dye from a highlighter will be fluorescent under a black light as well as most bodily fluids. On that note, please refrain from having a black light in the bathroom!

Now go buy some dry ice, paint a pumpkin with glow in the dark paint, put on a chilling rendition Frankenstein for that party of yours and see just how creepy chemistry can be.



contributed photo

Tracy Halmi, a senior lecturer in chemistry at Penn State Behrend, put on a presentation at the Blasco Library during National Chemistry Week in 2008.

hands on activity newspaper which revolves around the theme of the year, elements. It includes puzzles for kids, at home experiments, and an article on the Elementeo Chemistry Card Game for kids. The really dangerous, fire-ball making, you-should-not-try-this-at-home experiments will be shown during the Behrend-Exclusive Demo Show put on by the Chemistry Club on Wednesday, October 21 in 101 OBS at 7 p.m.

Chemistry Club will also be sponsor-

ing the painting of the glass windows of Otto Behrend Science (OBS) Building for National Chemistry Week with the names of the elements, as they do every year. Given this year's theme, though, the event carries its own spe-

cial significance.

Elements impact our daily lives by making it possible; make sure to stop by one of the National Chemistry Week events to learn just how important they are to you.



Heather Wagner Max Deliso

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Buczynski Andrea Adams Chase Weaver

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